

## NOTES ON CONTRIBUTORS

Garrett Birkhoff is widely known in mathematical circles because of his research in algebra and applied mathematics. His 10 books include *A Source Book in Classical Analysis* (Harvard University Press, 1971). He also edited the November 1975 issue of *Historia Mathematica*, containing the Proceedings of a Workshop on the Evolution of Modern Mathematics held at the American Academy of Arts and Sciences in 1974.

Paul P. Bockstaele received his Ph. D. in mathematics from the Catholic University of Louvain (Belgium), where since 1963 he has been Professor in Mathematics and History of Mathematics. His main interest lies in the history of mathematics since the 16th century, mainly in the Netherlands (Belgium and Holland).

Don Engelberg, Professor of Physics at Queensborough Community College, City University of New York, earned his Ph. D. in Physics at Columbia University and has published on the theory of scattering of mesons on nuclei. He participated in the Barnard-Columbia History of Physics Laboratory project. Coordinator of nuclear technology, he also directs a laser and fiber optics projects for technology students. He has worked on computer and video assisted technical instruction for a decade.

Steven Boudewijn Engelsman is a member of the staff of the State Museum for the History of Science and Medicine, "Museum Boerhaave," in Leiden, the Netherlands. He is currently preparing a thesis on the emergence of the calculus of functions of several variables in the late 17th and early 18th centuries.

Hans Freudenthal, born 17 September 1905, Luckenwalde, Germany; Ph. D. Berlin 1930. Assistant, Amsterdam University, 1930-1946, Professor, Utrecht University 1946-1976, Director IOWO Utrecht 1971-1976. Publications in mathematics (topology, Lie groups), history and philosophy of science, and mathematics education.

H. Howard Frisinger is Professor of Mathematics at Colorado State University. His research interest has been in the history of science and he has written a book, *The History of Meteorology to 1800*, published by the American Meteorological Society and Science History Publications in 1976. Currently he is working on the life of Raj C. Bose.

Michael Gertner earned his Ph. D. in French and Romance philology at Columbia University. His book *The Morphology of the Modern French Verb* was published by Mouton (The Hague, 1973). While Assistant Professor of Romance Languages and Literature at the University of Cincinnati he wrote a computer program for

generating all forms of all verbs in French, as described in *Computers and the Humanities*, Vol. 10.1, 46. He has also transcribed and encoded a data file for a computer-based vocabulary drill in elementary Chinese. Among several articles, he has written on "Teaching Physics to Art Students: The Philologist's Pedagogical Predicament."

I. Grattan-Guinness took an M.Sc. (Economics) in mathematical logic and the philosophy of science at the London School of Economics, and has both the doctorate (Ph. D.) and higher doctorate (D. Sc.) in history of science at London University. He is currently Reader in mathematics at Middlesex Polytechnic, England. He has been editor of the history of science journal *Annals of Science* since 1974, and is the founder-editor of the new annual *History and Philosophy of Logic*, the first volume of which appeared in 1980. He is also an associate editor of *Historia Mathematica*, and belongs to the editorial boards of the editions of the writings of C. S. Peirce and B. Russell. He is a member of the Executive Committee of the International Commission on the History of Mathematics. His latest book, for which he was both editor and contributor, is *From the Calculus to Set Theory, 1630-1910: An Introductory History* (1980). He is currently working on the history of mathematical physics from 1790 to 1840, and mathematical logic and the foundations of mathematics from 1870 to 1930.

Jens Høyrup studied mathematics and physics at the University of Copenhagen and became cand. scient. in 1969. At present he is Lecturer at Roskilde University Centre, Denmark. He has written on the history and sociology of the "new-math" reform in Denmark, and is mainly working on the interplay between social and intellectual factors in the history of pre-modern mathematics.

Phillip S. Jones is Professor of Mathematics at the University of Michigan with a concurrent appointment as Professor of Education in its School of Education. His research interests have been in the history of mathematics, with special interests in the history of perspective, complex numbers, Brook Taylor, and mathematics education.

Elaine Koppelman is Professor of Mathematics at Goucher College. She received her Ph. D. in the history of science from Johns Hopkins University in 1969. Her major areas of research are 19th- and 20th-Century history of mathematics. She is also interested in the philosophy of mathematics, particularly as it relates to problem of epistemology.

Timothy Lenoir is Assistant Professor of the History of Science at the University of Arizona, Tucson. His current research concerns the development of experimental physics in Germany and its relationship to the emergence of biophysics.

Albert C. Lewis is Curator of the History of Science Collections at the Humanities Research Center at The University of Texas at Austin. One of the major collections in his care is the Archives of American Mathematics, which includes institutional and personal archives. Dr. Lewis' research interests are in the works and influences of George Bruce Halsted and Hermann Grassmann.

Lubos Nový is the author of *Origins of Modern Algebra* (English translation, J. Tauer, Prague, 1973). He is a member of the Czechoslovak Academy of Sciences, and serves *Historia Mathematica* as an Associative Editor. He is also a member of the Executive Commission of the International Committee on the History of Mathematics.

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Helena M. Pycior is an Assistant Professor of History at the University of Wisconsin-Milwaukee. She received her doctorate in the history of science from Cornell University in 1976. Her main area of research is British algebra of the 18th and 19th centuries.

Bernhard Rang obtained his doctorate in philosophy from the University of Freiburg i. Br. He was a collaborator of the edition of Husserl's complete works (*Husserliana*) at the Husserl-Archiv. At present he is a member of the Philosophisches Seminar I der Universität Freiburg. He is the author of *Kausalität und Motivation; Untersuchungen zum Verhältnis von Perspektivität und Objektivität in der Phänomenologie Edmund Husserls*, *Phaenomenologica* vol. 53, Den Haag.

Grażyna Rosińska is Director of the Center for Copernican Studies, Polish Academy of Sciences, Cracow and Warsaw. Her research interests include astronomy in the XVth century, astronomical tables, and *Theoricae planetarum*, publications concerning astronomical instruments (*Studia Copernicana*, Vol. XI) and the reception of Arabic mathematics and astronomy in the Latin West. She is the author of the "Census: Scientific Writings and Astronomical Tables Known in Cracow, XIVth-XVth Centuries" (*Studia Copernicana*, Vol. XXII, ca. 500 pp. in print).

Man-Keung Siu received his Ph. D. from Columbia University in 1972, and has been Lecturer in Mathematics at the University of Hong Kong since 1975. He has published a number of papers in various fields, such as algebra, combinatorics, the application of mathematics to communication and information sciences, mathematics education, and the history of mathematics.

F. Smithies, is a Fellow of St. John's College, Cambridge, England. He was born in Edinburgh, Scotland, 10 March 1912, and received his M. A. (Edinburgh) in 1931, B. A. (Cambridge) in 1933; and Ph. D. (Cambridge) in 1937. He was Reader in Functional Analysis, University of Cambridge, from 1962 to retirement in 1979. His main interest have been: integral equations, functional analysis, history of analysis (especially 19th century). His publications include the book *Integral Equations* (Cambridge, 1958).

Wolfgang Thomas obtained his M.Sc. from the University of Bristol (England) in 1973, and his doctorate from the University of Freiburg i. Br. in 1975. At present he is Privatdozent at the Mathematisches Institut der Universität Freiburg (Abteilung für mathematische Logik). His main research interests are problems of mathematical logic and theoretical computer science. Together with H. D. Ebbinghaus and J. Flum he is author of *Einführung in die mathematische Logik* (Wiss. Buchgesellschaft, Darmstadt, 1978).